

V. (再帰下降構文解析)

(3, 2, 3, 3, 4, 5, 5)

(1)	$S \rightarrow id = E S' \quad \dots \nabla$ $\quad \quad pr(E) S' \quad \dots \nabla$ $S' \rightarrow \epsilon \quad \dots \nabla$ $\quad \quad ; S S' \quad \dots \nabla$																						
(2)	{ $\epsilon, ;$ }																						
(3)	{ $\$, , , @$ }																						
(4)	{ $), +, ;, , \$, @$ }																						
	<table border="1"> <tr> <td></td> <td></td> <td>;</td> <td>id</td> <td>=</td> <td>pr</td> <td>(</td> <td>)</td> <td>+</td> <td>@</td> <td>\$</td> </tr> </table>			;	id	=	pr	()	+	@	\$											
		;	id	=	pr	()	+	@	\$													
(5)	<table border="1"> <tr> <td>$E \rightarrow$</td> <td></td> <td>I</td> <td></td> <td></td> <td></td> <td>II</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>$E' \rightarrow$</td> <td>III</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>III</td> <td>III+IV</td> <td>III</td> <td>III</td> </tr> </table>	$E \rightarrow$		I				II					$E' \rightarrow$	III						III	III+IV	III	III
$E \rightarrow$		I				II																	
$E' \rightarrow$	III						III	III+IV	III	III													
(6)	<table border="1"> <tr> <td>$S \rightarrow$</td> <td></td> <td>V</td> <td></td> <td></td> <td>VI</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>$S' \rightarrow$</td> <td>VII+VIII</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>VII</td> <td>VII</td> </tr> </table>	$S \rightarrow$		V			VI						$S' \rightarrow$	VII+VIII								VII	VII
$S \rightarrow$		V			VI																		
$S' \rightarrow$	VII+VIII								VII	VII													
(7)	<pre> void E(void) { switch (token) { case ID: eat(ID); E1(); /* ←ここを埋める← */ case '(': eat('('); S(); eat('@'); E(); eat(')'); /* ←ここを埋める← */ default: reportError(); } } void E1(void) { /* ↓ここを埋める↓ */ switch (token) { case '+': eat('+'); E(); E1(); break; case ')': case ';': case '@': case EOF: break; default: reportError(); } } </pre>																						

VI. (LR 構文解析)

(5×3)

(1)	G	(2)	D	(3)	A
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授業・テストの感想
